BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

Name of Work: Drilling of 4 no's Borewell & fixing of pump motor and necessary accessories at Shettyhalli and Medarahalli in Different locations, in Ward no. 12, in Shettyhalli Sub-Division

Sl. No	Description of work	Unit	Qty	Sanctioned Approved Rates	
				In Figures	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the Habitation either through the hand pump, MWS O PWSS by vertical electrical sounding by adopting veneer or Schlumbergers's method, including reconnaissance survey of Geological formation, Geophysical investigation of existing ground water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc.	Nos	4	1938.46	Rs. One Thousand Nine hundred and Thirty Eight & Forty six only
2	2. Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,)				
	Upto 50.00m depth	Mtr	200.00	315.18	Rs. Three hundred and Fifteen & Eighteen paise only
	Above 50.00 to 100.00m depth	Mtr	200.00	412.00	Rs. Four Hundred and twelve only
	Above 100.00 to 150.00m depth	Mtr	200.00	458.35	Rs. Four Hundred fifty eight & Thirty five paise only
	Above 150m to 200m depth	Mtr	200.00	484.10	Rs. Four hundred and Eighty four & Ten paise only
	Above 200m up to 250m depth	Mtr	200.00	560.32	Rs. Five hundred and sixty & Thirty two paise only

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
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3	Supplying of ISI Mark 175mm Nominal bore plain end steel casing pipe-grade of steel Fe 410, of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest emendments electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxyzen process in random length of 4 to 7 Mts, Both ends threaded confirming to IS 554/1985, one end fixed with a socket confirming to IS 4270:2001 and the other end with screwed pipes. all pipes shall be reasonably straight should be with ISI making, welding, weighing 25.10 kg/mtr (inclusive of all taxes and duties) Prices include collar medium duty	Mtr	320.00	1364.75	Rs. One thousand three hundred and Sixty four & Seventy five paise only
4	Providing and fixing 250mm dia PVC casing pipe as per direction	Each	72.00	1133.00	Rs. One thousand one hundred & Thirtythree only
5	Providing 175mmdia M.S Casing cap	Each	4.00	103.00	Rs. One hundred and three only
6	MS Casing Pipe Collars 'C' Class	Each	256.00	154.50	Rs. One hundred and fifty four & Fifty paise only
7	Supplying and delivery brand new submersible PUMPSET suitable for borewell of 150mm dia and having declared duty conditions as detailed below and satisfying performance characteristric for pump and motor as declared by Bureau of Indian Standards. The pump should conform to Indian Specifications as per IS:8034-1976 (with all its latest amendments) and should bear the ISI certification mark IS 8034-1976. The pumpset should consist of bronze impellers discharge. 7500 IPH Head: 102.88 mts, 15.00 HP 30 stage	set	4.00	75541.17	Rs. Seventy Five thousand Five hundred and forty one & Seventeen paise only
8	Providing laying and jointing of GI pipes conforming to I.S Specification of approved make with fittings such as collers Bends Elbows Tees Nipples Plugs with cuts thread using white lead and thread for joints wherever necessary as per directions including all leads and lift etc., complete A grade Excluding cost of fittings) 50mm dia GI pipe (Rate approved by RDED)	Rmtr	1064.00	340.26	Rs. Three hundred and forty & Twenty six paise only
9	Providing and fixing heavy duty collars	No	184.00	159.00	Rs. One Hundred and Fifty nine only
10	Supply and drawing 3 core flat sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130 -1984 and virgin grade PVC insulation and sheeather suitable for working voltage upto 1100 volts as per 1x3x4 sqmm of 56 strands 0.3mmdia Group A	Mtr	2304.00	164.29	Rs. One hundred and Sixtyfour & Twentynine paise only

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11	Supplying and delivery at site brand new/Essen/Lotus sunsines/Adarsh/GK controls best indigenous make combing energy meter-cum-control panel board unit of size 1200x600x300mm minimum mechanically strong and vermin and water proof. The unit shall have two detachable doors suitable for operation on 3ph 50Hz, 380/440 volts. AC supply with spring loaded latch locking with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combine energy meter cum-control panel board unit suitable for operation on 3ph, 50HZ, 380/.440 AC supply shall be consisted etc., complete T panel board shall be fabricated on single unit in the above components panel board for suitable pump set above 6.50 HP to 12.5 HP with star Delta starter	no	4.00	14800.00	Rs. Fourteen thousand Eight hundred only
12	Fabricating supplying and mounting MS cox of 16 SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locing arrangement, with suitable size clampos with necessary cable entry pipe with gland and box should be finished with 2 coat of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete box of 21600 sq cm and Rs. 0.35	Sqm Cn	88000.00	0.34	Rs. Thirty four paise only
13	Providing and fixing of Clamps set and borewell cap to the pump (as per SPD Rate)	No's	4.00	690.00	Rs. Six hundred and Ninety only
14	Supply and delivery of brand new best make Non-return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark BCSR	No's	12.00	1696.00	Rs. One Thousand six hundred and ninty six only
15	Supply and delivery of brand new best make Gate wheel of size 50mm as per IS:778/84 with latest amendments with ISI mark (rate approved by RDED) 50mm Gate wheel valve for distributor pipeline	No's	12.00	1213.70	Rs. One thousand two hundred and thirteen & Seventy only
16	Providing and fixing of 50mm G.I bend to the Motor	No's	12.00	232.14	Rs. Two hundred and thirty two & Fourteen paise only
17	Providing and fixing of 50mm G.I Nipple to the Motor	No's	12.00	110.56	Rs. One hundred and ten & Fifty six paise only
18	Providing and fixing of 50mm G.I UNION to the Motor	No's	12.00	237.12	Rs. Two hundred and thirty seven & Twelve paise only
19	Labour Charges for End connection	No's	4.00	400.00	Rs. Four hundred only
20	Labour charges or erections of new/repaired submersible pump set along with GI pipes (32/50mm) cable (new submersible pump set if required will be supplied by the department of free of cot and released pump set should be handed over to department including transportation	Per length	208.00	90.64	Rs. Ninty & Sixty four paise only
21	Erection of combined panel board and meter unit with necessary materials and labor including providing cement concrete 1:3:6 foundation bed etc., complete for basement	No's	4.00	475.00	Rs. Four hundred and Seventy Five only

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22	Supplying and fixing miniature circuit breakers/isolation on existing MCB distribution boards using necessary fixing materials and wiring complete as required complete	No's	4.00	906.40	Rs. Nine hundred and six & Forty paise only
23	Supplying and laying L.T.U.G cable having aluminum conductor PVC insulated sheathed galvanized steel wire/steel tape armoured cable with PVC outer sheeting 1.1 KV clas	Mtr	120.00	169.95	Rs. One hundred and Sixty Nine & Ninety Five paise only
24	Digging of trenches of 0.6 mm x0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc., complete setting road surface	Mtr	120.00	56.65	Rs. Fifty Six & Sixty Five paise only
25	Supplying and fixing Class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 K V class 41mm	Mtr	12.00	294.58	Rs. Two hundred and Ninety four & Fifty Eight paise only
26	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit./ The pit should be filled with equal proportion of salt and charocoal 150 mm alround the pipe to complete depth The connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and check nuts etc,. the pipe shall have 16 through holes of 122 mm dia	No's	4.00	1699.50	Rs. One thousand six hundred and Ninty nine & Fifty paise only
27	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV Class UG calbe filled with necessary bitumen insulating compound complete with terminals clamps, Bolts nuts and washers etc.,	No's	4.00	271.92	Rs. Two hundred and Seventy one & Ninety two paise only
28	Supplying shunt capacitor confirming to IS 2834.3 phse 400/440 volts grade for power factor improvement of rotating machinery capacitor in KVAR rate Nos 2KVAR capacity	No's	4.00	1350.00	Rs. One Thousand three hundred and Fifty only
29	Providing and fixing Gun Metal Gate wheel valves confirming to IS specification of approved make as per direction including all lead and lift etc., complete 50mm dia	No's	12.00	1515.80	Rs. One thousand five hundred and Fifteen & Eighty paise only
30	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20x20x2.5 inches	No's	4.00	311.58	Rs. Three hundred and eleven & Fifty eight paise only
31	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification	Cum	110.16	223.66	Rs. Two hundred and twenty three & Sisty six paise only

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32	Providing and installing at site work PVC pipes inclidng costg of pipes and specials labour including lowering into trenches layingy true to line level and perfect linking at joints leak proof inclidng jointing of apprvoed type with all labour and lift charges handling charges including encasign the piep alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc	Mtr	272.00	352.98	Rs. Three hundred and Fifty two & Ninety Eight paise only
33	Providing and installation at site work 20mm GI pipes including cost of pipes and specials labour including lowering into trenches laying true to line, complete as per direction of enginner in charge of public taps	Rmt	48.00	125.00	Rs. One hundred and twenty five only
34	Refilling available earth around pipe lines, cable in layers not exceeding 20cms in depth, compacting each deposited layers by ramming after watering with lead upto 50m And lift upto 1.5m,. including cost of all labour complete as per specifications	Cum	146.88	59.36	Rs. Fifty nine & Thirty six only
35	KPTCL Deposite Charges	L/S	4.00	14500.00	Rs. Thirteen thousand three hundred only

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